# Work Order ID 111059

*January-08-14 12:53:04 PM*

*111059*



**Item ID:** D4003-11 **Accept** *N900040100* **Setup Start** *NS1*

**Revision ID:** **Stop** *NS2*

**Item Name:** Vent Pipe - Tank

**Start Date:** 1/08/14 **Start Qty:** 2.00 *2*

**Required Date:** 1/08/14 **Req'd Qty:** 2.00 *2*

**Reference:**

**Cust Item ID:**

**Customer:**

**Approvals:** **Process Plan:** MLS **Date:** 14-01-10 **Tooling:** _____ **Date:** _____

**QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

**Run Start** *NR1*

**Stop** *NR2*

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
|---|---|---|---|---|---|---|---|---|---|
| **Draw Nbr** / **Revision Nbr** | | | | | | | | | |
| D4003 / A | | | | | | | | | |
| 100 | | 0.00 | | | | | | | |
| *100* | | | | | | (2) | | | FF 10-02-14 |
| Small Fab | **Memo** | 0.00 | | | | | | | |
| Small Fab | 1- Cut tube xxx" long<br>2- Bend as per dwg | | | | | | | | |
| 110 | QC5- Inspect part completeness to step on W/O | 0.00 | | | | | | | |
| *110* | | | | | | 2 | | | |
| QC | **Memo** | 0.00 | | | | | | | |
| Quality Control | | | | | | | | | |
| 150 | Chemical Conversion Coat per QSI005 4.1 | 0.00 | | | | | | | |
| *150* | | | | | | 2 | | 14-2-14 | |
| HandFinish | **Memo** | 0.00 | | | | | | | |
| Hand Finishing | | | | | | | | | |

DAS 27 ~~3-89~~ 14/2/10

DQA: _____ Date: _____

# WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

**DISPOSITION**

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

**AGAINST DEPARTMENT/PROCESS**

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

| Root Cause | | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---|---|---|---|---|---|---|---|---|---|---|
| Design | ☐ | | | | | | | | | |
| Doc/Data | ☐ | | | | | | | | | |
| Equip/Tooling | ☐ | | | | | | | | | |
| Handling/Pre | ☐ | | | | | | | | | |
| Material | ☐ | | | | | | | | | |
| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
| Training | ☐ | | | | | | | | | |
| Transport | ☐ | | | | | | | | | |
| Unapproved | ☐ | | | | | | | | | |

**FAULT CATEGORY**

**Landing Gear**

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

**General**

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

_____
_____
_____

# Work Order ID 111059

*January-08-14 12:53:04 PM*

*111059*



**Item ID:** D4003-11 **Accept** *N900040100* **Setup Start** *NS1*

**Revision ID:** **Stop** *NS2*

**Item Name:** Vent Pipe - Tank

**Start Date:** 1/08/14 **Start Qty:** 2.00 *2*

**Required Date:** 1/08/14 **Req'd Qty:** 2.00 *2*

**Reference:**

**Cust Item ID:**

**Customer:**

**Run Start** *NR1*

**Stop** *NR2*

**Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____

**QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

| Sequence ID/ Work Center ID | Operation Description | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp | |
|---|---|---|---|---|---|---|---|---|---|---|
| 160 | QC3- Inspect Part Finish | 0.00 | | | | | | | | DAS 26 9-89 |
| *160* | | | | | | 2x | | 14-2 | 13 | |
| QC | Memo | 0.00 | | | | | | | | |
| Quality Control | | | | | | | | | | |
| 170 | Identify as per dwg & Stock Location: ST243 | 0.00 | | | | | | | | DAS 26 9-89 |
| *170* | | | | | | 2x | | 14-2 | -13 | |
| Packaging | Memo | 0.00 | | | | | | | | |
| Packaging | | | | | | | | | | |
| 180 | QC21- Final Inspection - Work Order Release | 0.00 | | | | | | | | |
| *180* | | | | | | | | 14-02-14 | | |
| QC | Memo | 0.00 | | | | | | | | |
| Quality Control | | | | | | | | | | |

14-02-13

DQA: _____ Date: _____

DART AEROSPACE

# WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

**DISPOSITION**

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

**AGAINST DEPARTMENT/PROCESS**

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

| Root Cause | | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---|---|---|---|---|---|---|---|---|---|---|
| Design | ☐ | | | | | | | | | |
| Doc/Data | ☐ | | | | | | | | | |
| Equip/Tooling | ☐ | | | | | | | | | |
| Handling/Pre | ☐ | | | | | | | | | |
| Material | ☐ | | | | | | | | | |
| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
| Training | ☐ | | | | | | | | | |
| Transport | ☐ | | | | | | | | | |
| Unapproved | ☐ | | | | | | | | | |

**FAULT CATEGORY**

**Landing Gear**

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

**General**

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function

☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence

☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge

☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

_____
_____
_____

# Picklist Print

*January-08-14 12:53:02 PM*



**Work Order ID:** 111059

**Parent Item:** D4003-11

**Parent Item Name:** Vent Pipe - Tank

**Start Date:** 1/08/14 **Required Date:** 1/08/14

**Start Qty:** 2.00 **Required Qty:** 2.00

**Comments:** IPP rev A 10.01.12 new issue prelim EC verified by:DD

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **M6061T6T0.500W.035**<br>6061-T6 RD Tube .500 x.035W | | Purchased | No | | | 100 | f | 114.0000 | **1.97** | 4 | FF | 10-02-14 | |

| Location | Loc Qty | Loc Code | |
|---|---|---|---|
| MAT014 | 114 | | |
| 121848 | 48 | | |
| M127417 | 66 | | 4 |

DQA: _____ Date: _____

# WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

**DISPOSITION**

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

**AGAINST DEPARTMENT/PROCESS**

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐ ☐

| Root Cause | | Date | Step | Qty | Description of work order update or non-conformance | Initial Chief Eng | Action Description | Sign & Date | Verification | QC Inspector |
|---|---|---|---|---|---|---|---|---|---|---|
| Design | ☐ | | | | | | | | | |
| Doc/Data | ☐ | | | | | | | | | |
| Equip/Tooling | ☐ | | | | | | | | | |
| Handling/Pre | ☐ | | | | | | | | | |
| Material | ☐ | | | | | | | | | |
| Operator | ☐ | | | | | | | | | |
| Offset/Setup | ☐ | | | | | | | | | |
| Process | ☐ | | | | | | | | | |
| Supplier | ☐ | | | | | | | | | |
| Training | ☐ | | | | | | | | | |
| Transport | ☐ | | | | | | | | | |
| Unapproved | ☐ | | | | | | | | | |

**FAULT CATEGORY**

**Landing Gear**

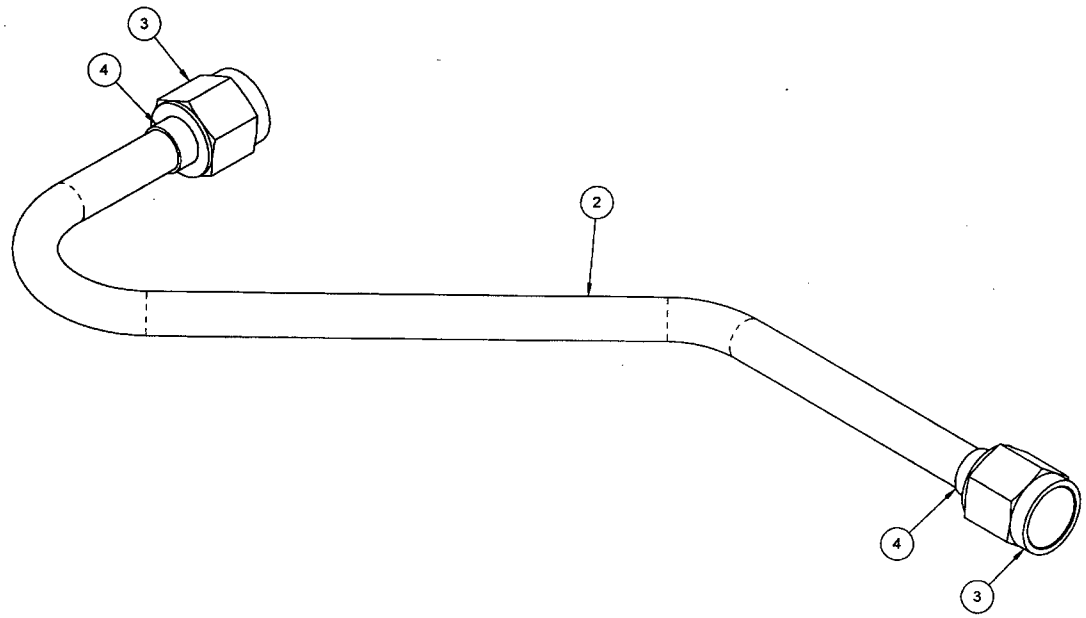
☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
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**General**

☐ Bend
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☐ Broken/Damage/Defect
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☐ Contamination
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☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other _____

111059
MLJ
14-01-LO

| ITEM NO. | QTY. -047 | PART NUMBER | DESCRIPTION | JOHN CAMERON AVIATION PART NUMBER |
|---|---|---|---|---|
| 1 | X | D4003-047 | FUEL PUMP INLET PIPE | JCA-M47-2-16 |
| | | | | |
| 2 | 1 | D4003-7 | FUEL INLET PIPE | |
| 3 | 2 | AN818-6D | NUT | |
| 4 | 2 | MS20819-6D | SLEEVE | |




## D4003-047 FUEL PUMP INLET PIPE

RELEASED
2010 -05- 05
MP

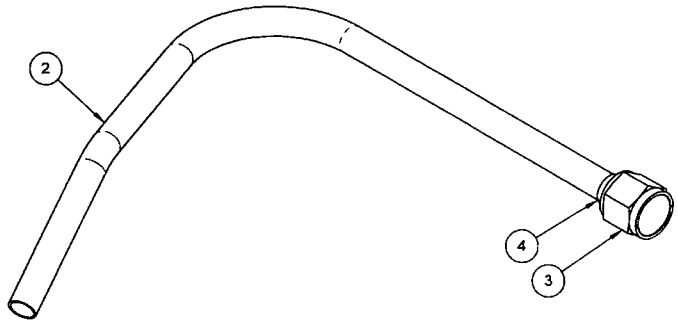
NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4003-047" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.07 lbs

| REV. | DESCRIPTION | BY | DATE |
|---|---|---|---|
| A | NEW ISSUE | | 10.02.05 |

| | |
|---|---|
| DESIGN | DART AEROSPACE LTD |
| DRAWN | HAWKESBURY, ONTARIO, CANADA |
| CHECKED | DRAWING NO. D4003 REV. A |
| MFG. APPR. | SHEET 1 OF 9 |
| APPROVED | TITLE LINE SCALE NTS |
| DE APPR. | |
| DATE 10.02.05 | |

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| ITEM NO. | QTY. -049 | PART NUMBER | DESCRIPTION | JOHN CAMERON AVIATION PART NUMBER |
|---|---|---|---|---|
| 1 | X | D4003-049 | TANK VENT LINE ASSEMBLY | JCA-M47-2-17 |
| | | | | |
| 2 | 1 | D4003-9 | VENT LINE | |
| 3 | 1 | AN818-8D | NUT | |
| 4 | 1 | MS20819-8D | SLEEVE | |




**D4003-049 TANK VENT LINE ASSEMBLY**

RELEASED
2010 -05- 05

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4003-049" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.11 lbs

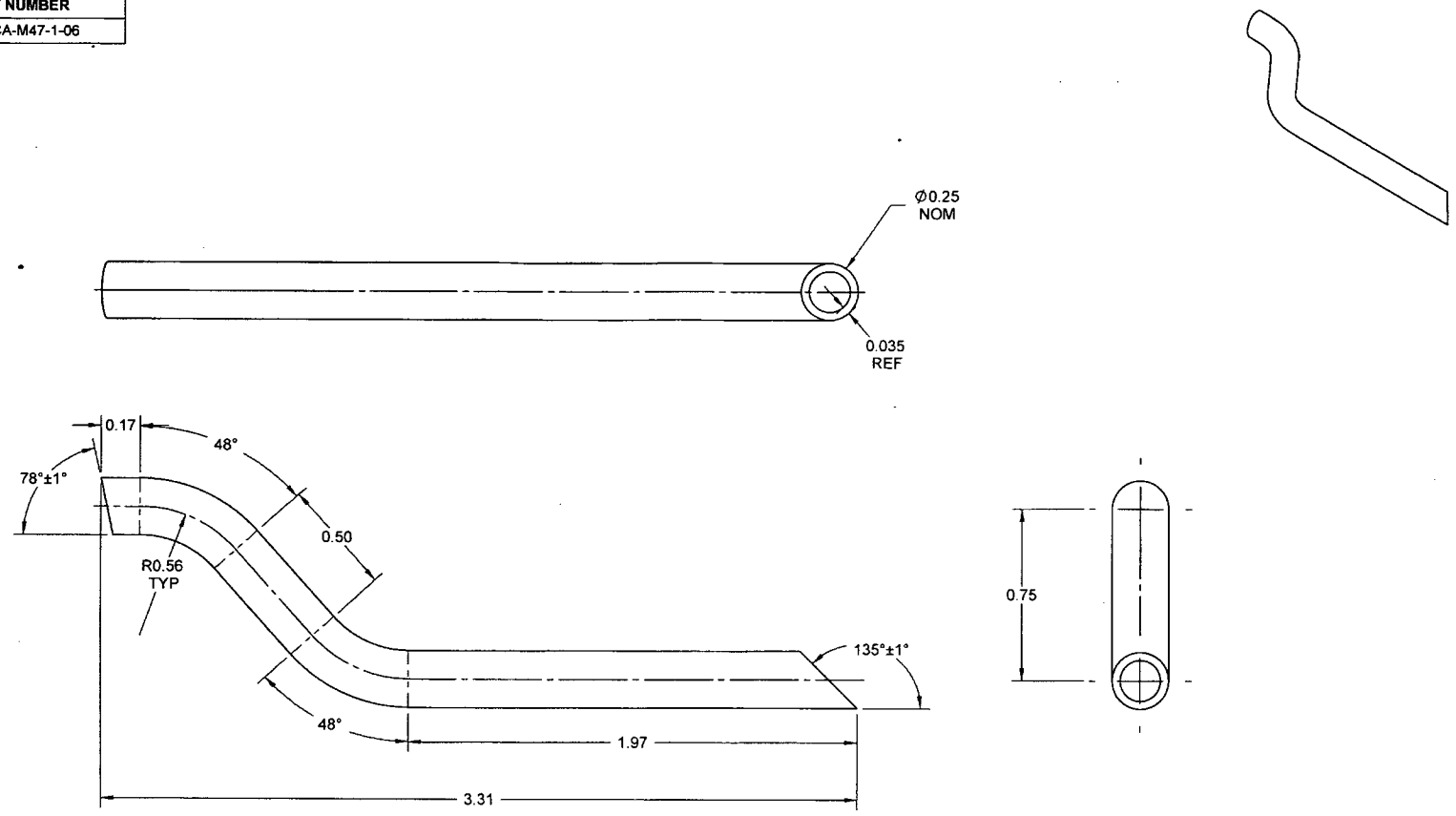
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|---|---|
| DESIGN | |
| DRAWN | |
| CHECKED | |
| MFG. APPR. | |
| APPROVED | |
| DE APPR. | |
| DATE | 10.02.05 |

**DART AEROSPACE LTD**
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D4003 REV. A
SHEET 2 OF 9
TITLE LINE SCALE NTS

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-1 | REF JCA-M47-1-06 |




RELEASED
2010 -05- 05

## D4003-1 INTERNAL DRAIN LINE, AFT

NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.25 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC 6061T6T0.250W.035
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.01 lbs

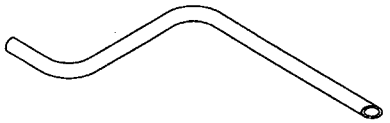
| | |
|---|---|
| DESIGN | |
| DRAWN | |
| CHECKED | |
| MFG. APPR. | |
| APPROVED | |
| DE APPR. | |
| DATE | 10.02.05 |

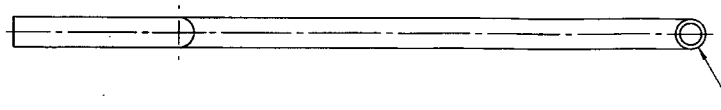
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HAWKESBURY, ONTARIO, CANADA

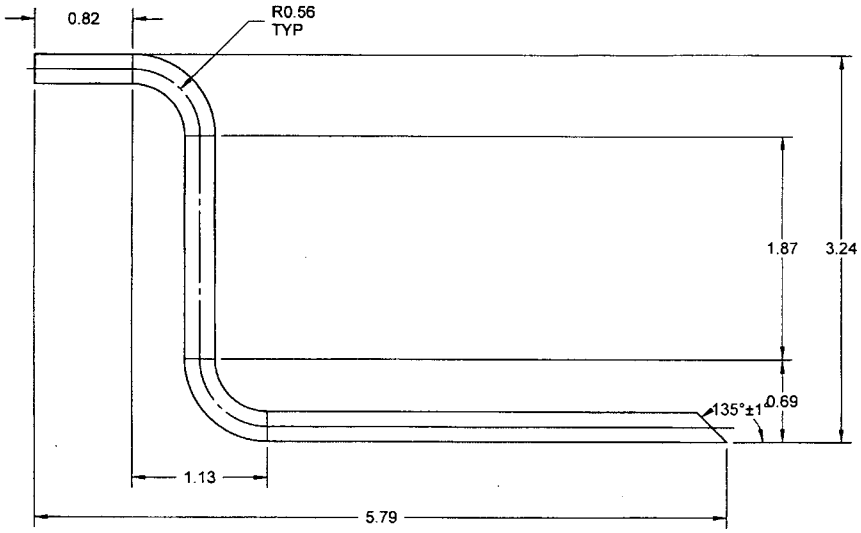
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|---|---|
| DRAWING NO. | REV. A |
| D4003 | SHEET 3 OF 9 |
| TITLE | SCALE |
| LINE | NTS |

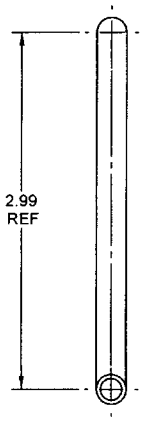
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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-3 | REF JCA-M47-1-15 |






**D4003-3 INTERNAL DRAIN LINE, FWD**

RELEASED
2010 -05- 05
MP

NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.25 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC 6061T6T0.250W.035
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.02 lbs

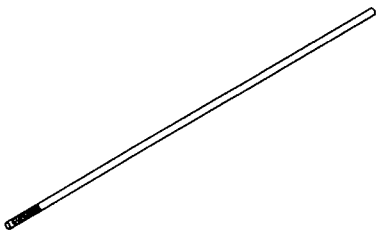
| | |
|---|---|
| DESIGN | |
| DRAWN | |
| CHECKED | |
| MFG. APPR. | |
| APPROVED | |
| DE APPR. | |
| DATE | 10.02.05 |

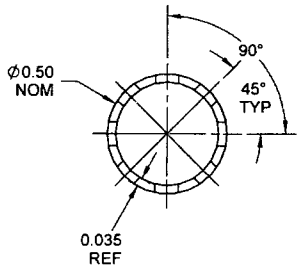
**DART AEROSPACE LTD**
HAWKESBURY, ONTARIO, CANADA

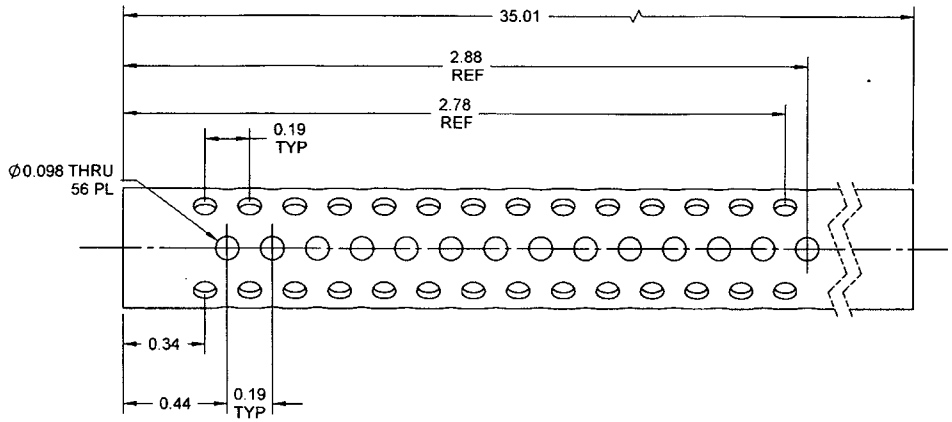
| | |
|---|---|
| DRAWING NO. D4003 | REV. A |
| | SHEET 4 OF 9 |
| TITLE LINE | SCALE NTS |

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-5 | REF JCA-M47-1-10 |






## D4003-5 FUEL PICK UP LINE

RELEASED
2010-05-05

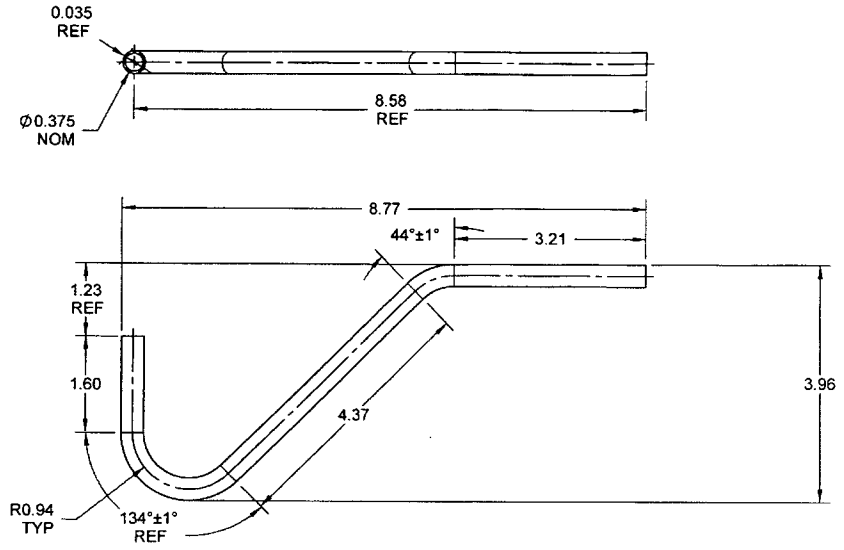
NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.500 X 0.035 WALL THICKNESS
REF WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DAT SPEC M6061T6T0.500W.035
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.17 lbs

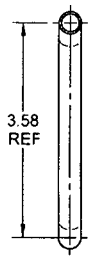
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|---|---|---|
| DESIGN | | DART AEROSPACE LTD |
| DRAWN | | HAWKESBURY, ONTARIO, CANADA |
| CHECKED | | DRAWING NO. D4003 REV. A |
| MFG. APPR. | | SHEET 5 OF 9 |
| APPROVED | | TITLE LINE SCALE NTS |
| DE APPR. | | |
| DATE 10.02.05 | | |

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-7 | REF JCA-M47-2-16 |






## D4003-7 FUEL INLET PIPE

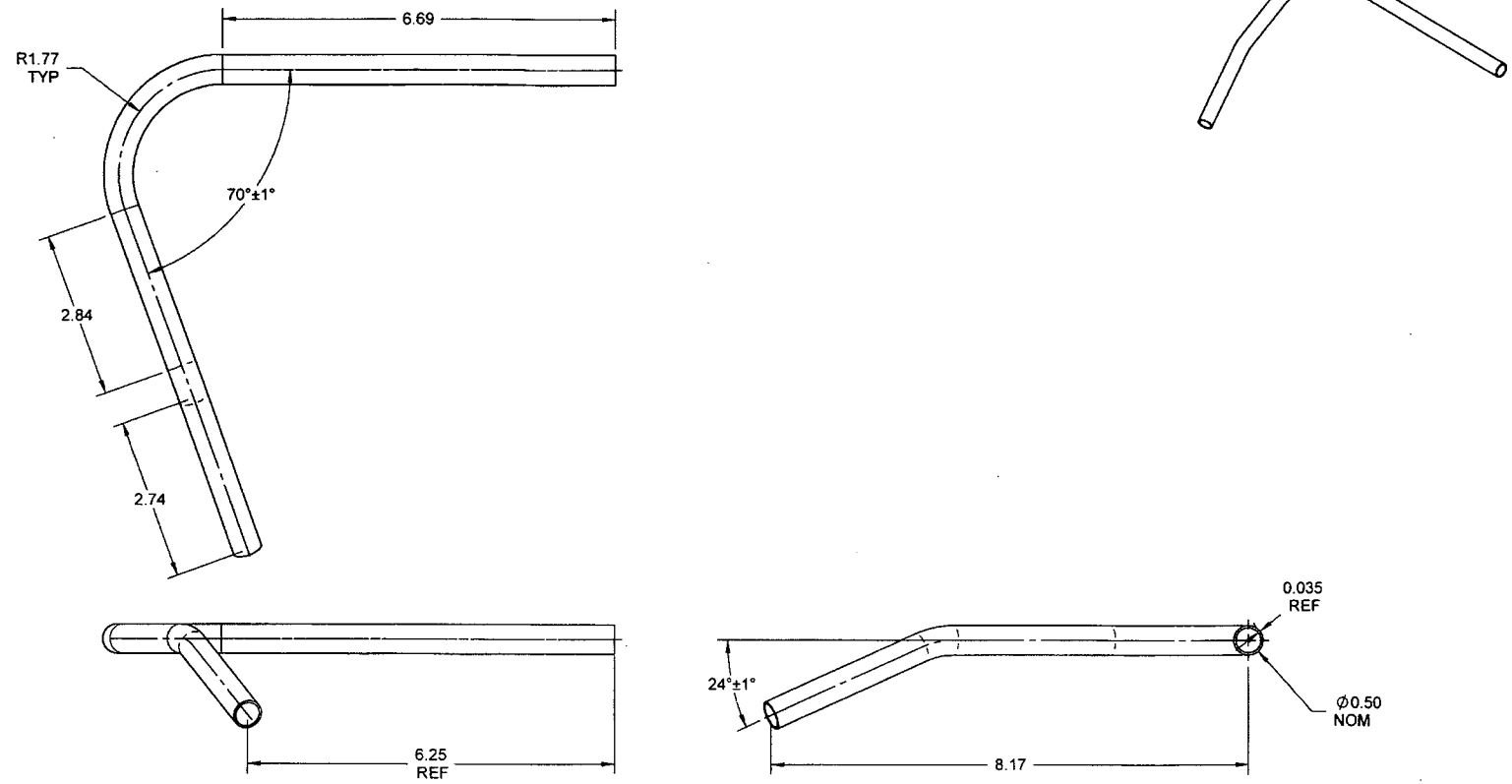
RELEASED
2010 -05- 05

NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.375 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T6T0.375W.035
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.04 lbs

| | | |
|---|---|---|
| DESIGN | | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |
| DRAWN | | |
| CHECKED | | DRAWING NO. D4003 REV. A |
| MFG. APPR. | | SHEET 6 OF 9 |
| APPROVED | | TITLE LINE SCALE NTS |
| DE APPR. | | |
| DATE 10.02.05 | | |

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-9 | REF JCA-M47-2-17 |




**D4003-9 VENT LINE**

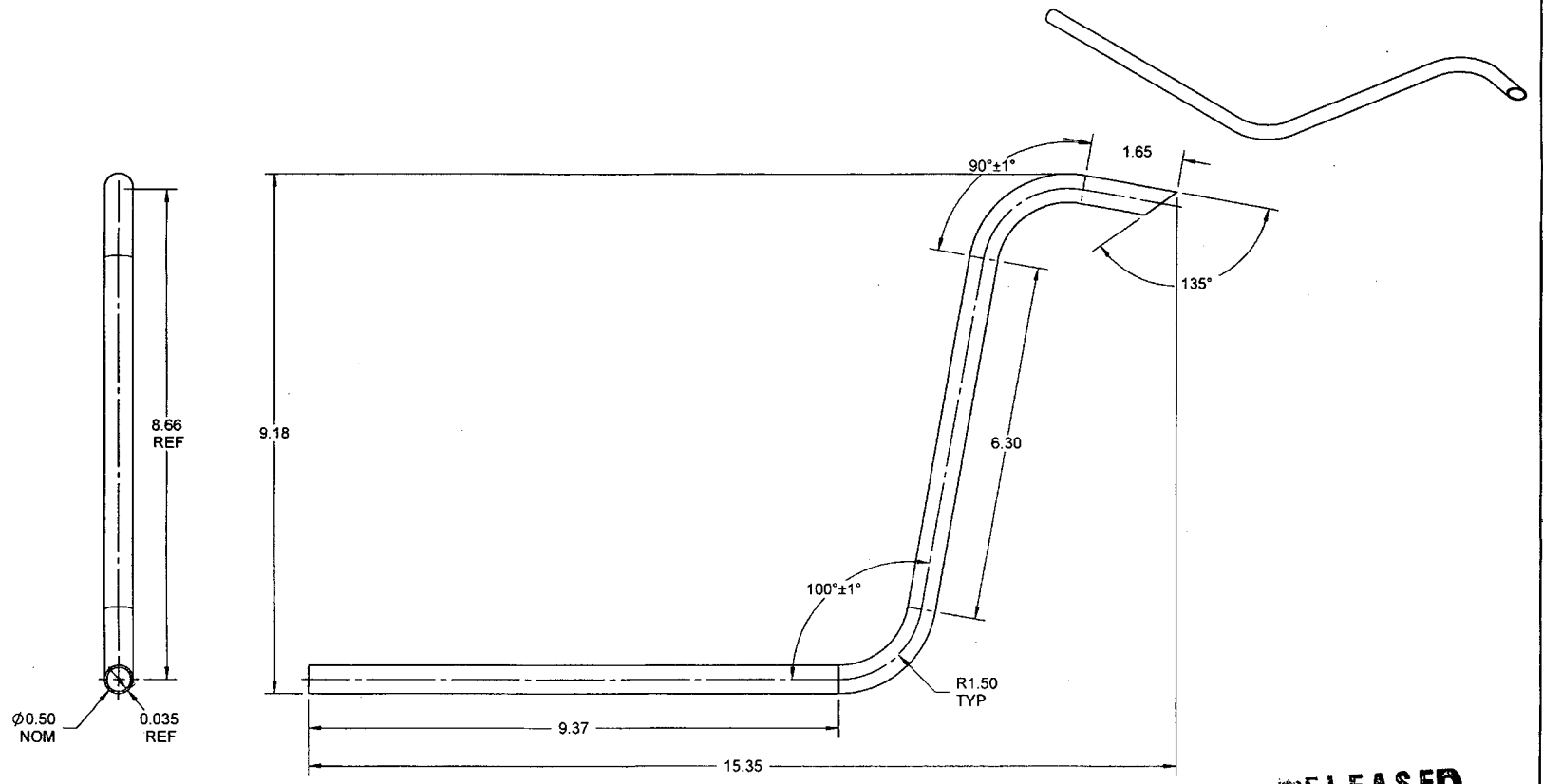
RELEASED
2010 -05- 05

NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.500 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T60.500W.035
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.08 lbs

| | | |
|---|---|---|
| DESIGN | | DART AEROSPACE LTD<br>HAWKESBURY, ONTARIO, CANADA |
| DRAWN | | |
| CHECKED | | DRAWING NO. D4003 — REV. A — SHEET 7 OF 9 |
| MFG. APPR. | | |
| APPROVED | | TITLE LINE — SCALE NTS |
| DE APPR. | | |
| DATE 10.02.05 | | |

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-11 | JCA-M47-2-21 |




**D4003-11 VENT PIPE - TANK**

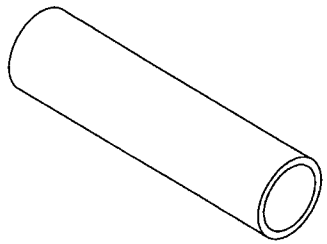
RELEASED
2010 -05- 05
MP

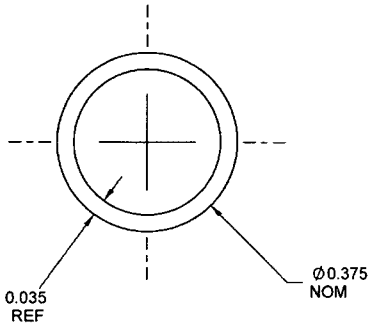
NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.500 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T60.500W.035
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH DART P/N "D4003-11" AND B/N USING FINE POINT PERMANENT INK MARKER
7) WEIGHT: 0.11 lbs

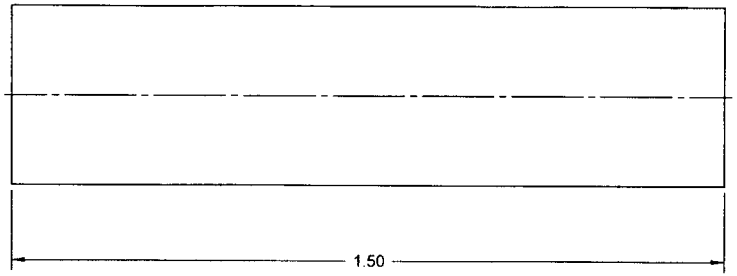
| | | |
|---|---|---|
| DESIGN | | **DART AEROSPACE LTD** HAWKESBURY, ONTARIO, CANADA |
| DRAWN | | |
| CHECKED | | DRAWING NO. D4003 REV. A |
| MFG. APPR. | | SHEET 8 OF 9 |
| APPROVED | | TITLE LINE SCALE NTS |
| DE APPR. | | |
| DATE 10.02.05 | | |

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| DART AEROSPACE PART NUMBER | JOHN CAMERON AVIATION PART NUMBER |
|---|---|
| D4003-13 | REF JCA-M47-2-22 |






**D4003-13 FORWARD FUEL GUTTER LINE**

RELEASED
2010 -05- 05

NOTES:
1) MATERIAL: 6061-T6 OR 6061-T62 ALUMINUM TUBING, Ø0.375 X 0.035 WALL THICKNESS
PER WW-T-700/6 OR AMS 4080 OR AMS 4082 OR QQ-A-200/8 OR QQ-A-225/8
REF DART SPEC M6061T6T0.375W.035
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.01 lbs

| | |
|---|---|
| DESIGN | |
| DRAWN | |
| CHECKED | |
| MFG. APPR. | |
| APPROVED | |
| DE APPR. | |
| DATE | 10.02.05 |

**DART AEROSPACE LTD**
HAWKESBURY, ONTARIO, CANADA

| | |
|---|---|
| DRAWING NO. | REV. A |
| D4003 | SHEET 9 OF 9 |
| TITLE | SCALE |
| LINE | NTS |

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# DART AEROSPACE LTD

| | | | |
|---|---|---|---|
| **Description:** | Vent Pipe - Tank | **Work Order:** | 111059 |
| Inspection Drawing: | D4003 | Rev: A | Part Number: D 4003-11 |

## INSPECTION SHEET

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|---|---|---|---|---|---|---|
| 9.37 | 0.030 | 9.37 | ✓ | | -07 | |
| 15.35 | 0.030 | 15.35 | ✓ | | -07 | |
| 100° | 1° | 100° | ✓ | | S. Fab-05 | |
| 6.30 | 0.030 | 6.30 | ✓ | | -07 | |
| R .90° | 1° | 90° | ✓ | | S-Fab-05 | |
| 1.65 | 0.030 | 1.65 | ✓ | | 14 | |
| 1.35° | 1° | 1.35° | ✓ | | -05 | |
| 9.18 | 0.030 | 9.21 | ✓ | | -07 | |
| 8.66 | 0.030 | 8.66 | ✓ | | -07 | |
| 0.50 | 0.030 | 0.501 | ✓ | | 5 Fab 14 | |
| 0.035 | 0.040 | 0.036 | ✓ | | " " | |

| | | | |
|---|---|---|---|
| Measured by: FF. | Checked By: DAS 30 9-89 | QC inspector: DAS 27 9-89 | Engineering Approval (*if necessary*): |
| Date 10-02-14 | Date 14/02/10 | Date 14/2/10 | Date |